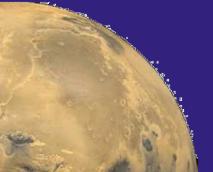




Mars Scouts: An Overview

Steve Matousek

15th Annual AIAA/USU Conference on Small Satellites
Logan, Utah
August 13-16, 2001



The word described here was performed at the Jet Propulsion Laboratory, California Institute of Technology under contract with the National Aeronautics and Space Administration.





Outline

- Why Mars Scouts?
- **N**What are Mars Scouts?
- When is a Scout likely to launch?
- Summary of Concepts to Date?
- 7Concepts Currently Studied
- **7**Future Work

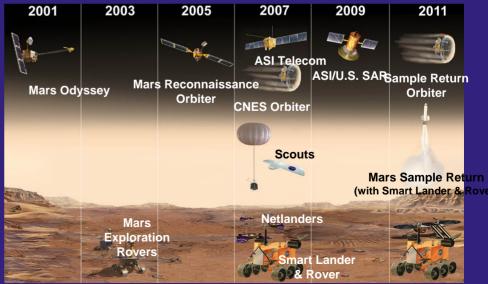




- Achieve program science goals not otherwise covered in the baseline plan.
- Optimize the use of limited resources to accomplish the best science

尽Provide the flexibility to quickly respond to

discoveries at Mars.

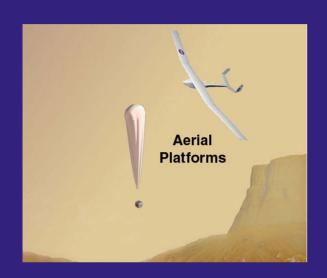


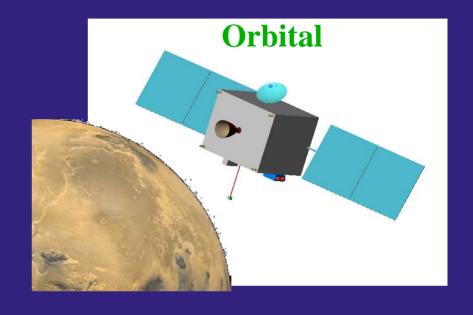


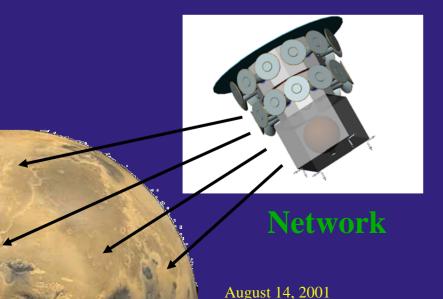
What are Mars Scouts?



对PI-led missions:







Lander/Rover







When is a Scout Going to Launch?

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Mars Scout '07 Phase			ŀ	FY		2002		FY 2003			F	FY 2004			F	FY 200		05	5 FY		2006		FY		2007		
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	2001			2002			2003			2004			2005			2006					2007						
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Launch Period																									8/	15	1
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August 14, 2001





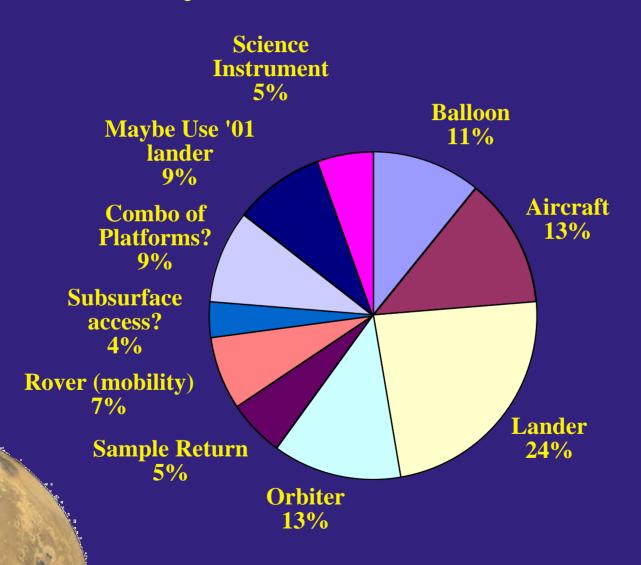


- **尽** Encourage Community Cross-Fertilization
- **尽**Select 6-10 Concepts for Further Study
- ✓ Selected Concepts Help Scope '02 AO
 - ∠Possible Science
 - ∠Needed Technology
 - ∠Cost/Schedule/Risk
- 743 Concepts Submitted, 10 Selected
- Selected Concepts DO NOT Prejudice AO





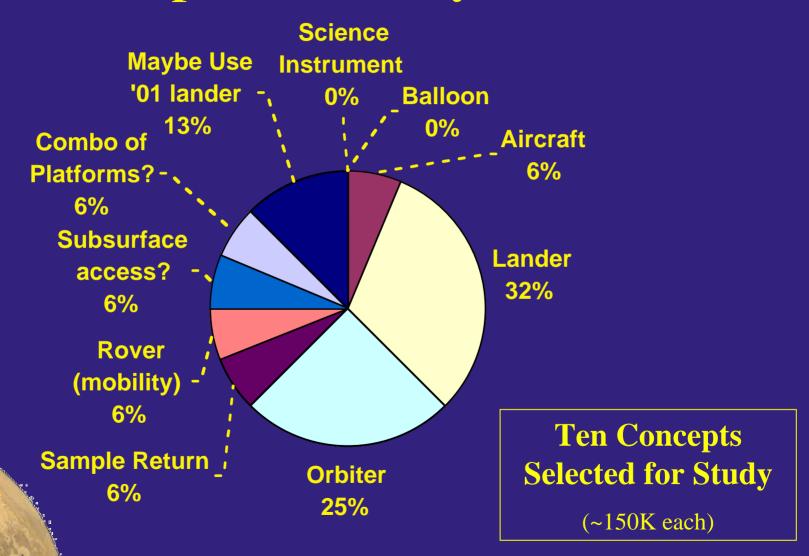
Summary of Submitted Concepts







Concepts Currently Studied









Start Work on AO by End of CY 2001
Finish Studies and Report to NASA HQ
Fold Study Results into AO as Needed
Stay Flexible With Respect to Mars Program Budget

